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C. H. Papadimitriou, D. Suciu, V. Vianu
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- ¹⁹ [The VLSI Complexity of Selected Graph Problems](#)
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March 1984 **Journal of the ACM (JACM)**, Volume 31 Issue 2
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[Blending Operations for the Functionally Based Constructive.. - Pasko, Savchenko \(Correct\) \(7 citations\)](#)

the approximations of min/max functions used for **Boolean** operations. Constant-radius blends [9] are **edge** blending or localizing a blend to a given **region** about **intersection** curve of two faces. Added object [5] In the three-dimensional case the **boundary** of such an object is a so-called "implicit"

www.dcs.warwick.ac.uk/~carters/F-rep/Blend.ps.gz

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$i \neq j$ and $R_i \cap R_j$ have a common **boundary** The **boolean** predicate, $H(R)$ is known as a homogeneity of such as gradually changing shades, or when the **regions** assume some broad range of gray shades. This is FALSE, for $i \neq j$ and $R_i \cap R_j$ have a common **boundary** The **boolean** predicate, $H(R)$ is known as a

ctrgate.kaist.ac.kr/~wksong/pub/.seal96/seal96.ps.gz

[Efficient representations and techniques for computing.. - Krishnan, Manocha \(1996\) \(Correct\) \(3 citations\)](#)

We present efficient and accurate algorithms for **Boolean** combinations of solids composed of sculptured surfaces. These surfaces are used to partition the patches into different **regions**. Only a few of them are retained after the surfaces are constructed using constructive solid geometry (CSG) and **boundary** representations (B-rep) Both these

www.research.att.com/~krishnas/MY_PAPERS/CSG96.ps.gz

[Polyhedral Tracings and their Convolution - Basch, Guibas, Ramkumar, Ramshaw \(1996\) \(Correct\) \(3 citations\)](#)

calculus of operations that generalizes standard **boolean** operations on shapes such as union, intersection, and difference. It provides information about the topology of the collision **region** between the barrier and the robot (its projection) in two dimensions. They augmented the standard **boundary** representation of planar shapes via polygons or

robotics.stanford.edu/~ramkumar/papers/3d-conv.ps.gz

[Ontologies for Plane, Polygonal Mereotopology - Pratt, Lemon \(1997\) \(Correct\) \(3 citations\)](#)

plane to be polygons. It turns out that P forms a **Boolean** algebra. In this **Boolean** algebra, the product of two regions is obtained by adopting a spatial ontology in which **regions**, not points, are the primitive entities. This is that part of the plane lying outside it and its **boundary** and the sum of two polygons is the polygon

www.cs.man.ac.uk/ai/oliver/.../Papers/iep/mereogeometry/mereo_revised.ps.Z

[BOOLE: A System to Compute Boolean Combinations of.. - Krishnan, Narkhede.. \(1995\) \(Correct\) \(1 citation\)](#)

geometry, 1995 BOOLE: A System to Compute **Boolean** Combinations of Sculptured Solids Shankar are used to partition the patches into different **regions**. Only a few of them are retained after the set of surfaces are constructed using constructive solid geometry (CSG) and **boundary** representations (B-rep) Both these

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[Representation, Boundary Computation and Fast Display of .. - Krishnan, Kumar, Manocha \(Correct\)](#)

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www.research.att.com/~krishnas/MY_PAPERS/IFIP96.ps.gz

[Formalizing Commonsense Topology: The - Calculus Nicholas Mark \(Correct\)](#)

other. Next, we establish that if an 1 Quasi-**Boolean** because there is no 'zero' **region**. Extent of regions are not: every surface has two sides if two **regions** occupy the same part of space, they include the relations (e.g. partial overlap, contact at the **boundary**) between specific spatially extended entities,

agora.leeds.ac.uk/scs/doc/srg/AlandMsymp.ps

[Dimension-Independent BSP \(2\): Boundary to Interior Mapping - Baldazzi, Paoluzzi \(1997\) \(Correct\)](#)

point-set may be implicitly represented as the **Boolean** XOR of unbounded polyhedral "stripes" of

is shot from either the interior or the exterior **region**. This result is actually dimension-independent,
00146 Roma, Italy Dimension-Independent BSP (2) **B** **oundary** to Interior Mapping Claudio Baldazzi Alberto
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representations of solids, and defined regularized **B** **lean** operations by merging BSP trees [7]
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BSP (1) Section and Interior to **Boundary** Mapping Claudio Baldazzi y Alberto Paoluzzi
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From Polyline to Polygon via XOR tree - Baldazzi, Paoluzzi (1996) (Correct)
that each such polygon can be expressed as the **Boolean** XOR of unbounded quadrilateral stripes,
where each leave node is an unbounded plane **region** and each non-leave node is a regularized XOR
and solution "Given a representation of the **boundary** of a plane polygon, compute both an implicit and
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Surface/surface Intersections: A Three States.. - S. Foufou, J.M. Brun, A.. (Correct)
the first point in the context of solids algebra (**Boolean** operators) for which it is of utmost importance
by Sederberg and Nishita [SN90] and defined as the **region** between two parallel lines which bounds a B'ezier
fuzzy face, a fuzzy line is calculated for each **boundary** curve of the surface. A fuzzy face (figure 3) is
bat710.univ-lyon1.fr/~foufou/papers_ps/london.ps.Z

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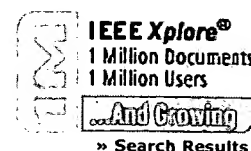
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Antony, R. T.;

Proceedings of the IEEE , Volume: 85 , Issue: 1 , Jan. 1997

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Antony, R.; Ilow, J.;

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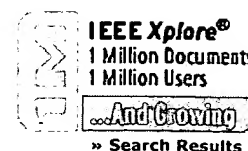
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Kahng, A.B.; Robins, G.; Singh, A.; Zelikovsky, A.;

Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions on , Volume: 18 , Issue: 4 , April 1999

Pages:445 - 462

[\[Abstract\]](#) [\[PDF Full-Text \(760 KB\)\]](#) IEEE JNL

2 The segmentation of cursive handwriting: an approach based on off-line recovery of the motor-temporal information

Plamondon, R.; Privitera, C.M.;

Image Processing, IEEE Transactions on , Volume: 8 , Issue: 1 , Jan. 1999

Pages:80 - 91

[\[Abstract\]](#) [\[PDF Full-Text \(268 KB\)\]](#) IEEE JNL

3 Efficient extra material critical area algorithms

Allan, G.A.; Walton, A.J.;

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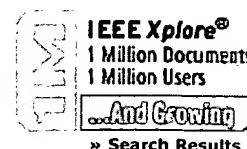
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